

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	16	"887716"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 13:31
S2	7	"1638209"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/08 16:33
S3	0	("1638209").URPN.	USPAT	OR	ON	2008/01/08 16:30
S4	110316	ring.ab.	USPAT	OR	ON	2008/01/08 16:30
S5	1	"200128887"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/08 16:34
S6	4527	brand.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/08 16:35
S7	0	"brand.in.inhaler"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/08 16:35
S8	0	"brand.in. inhaler"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/08 16:35
S9	26	brand.in. inhaler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/08 16:50

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S10	2	"7128068"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/08 16:50
S11	0	("7128068").URPN.	USPAT	OR	ON	2008/01/08 16:53
S12	11	"3853413"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 08:25
S13	61	("1694354" "2438107" "2960359" "3077811" "3446522" "3601764" "3611260" "3808580" "3853413" "3892458" "3917373" "3971614" "4007953" "4030798" "4066315" "4074927" "4109990" "4152039" "4165910" "4235498" "4239314" "4264116" "4268103" "4272144" "4291933" "4457469" "4484790" "4487470" "4497530" "4502748" "4519661" "4531801" "4548458" "4648670" "4703988" "4726782" "4746303" "4820184" "4834667" "Re31995").PN. OR ("5082454"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/09 08:36
S14	13622	"128"/\$.ccls. and (ring or coupling)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/09 08:38
S15	1320	"128"/\$.ccls. and (ring or coupling or collar) and aerosol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 08:44
S16	1651	"128"/\$.ccls. and (ring or coupling or collar) and (aerosol or inhaler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 08:44

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S17	674	"128"/\$.ccls. and (ring or coupling or collar) same (aerosol or inhaler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 08:45
S18	777	ring\$5 and godfrey.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 08:46
S19	22526	ring\$5 and godfrey.in. adn glaxo\$. as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 08:46
S20	9	ring\$5 and godfrey.in. and glaxo\$. as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 16:20
S21	16987773	222/Dig "4"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 13:32
S22	0	239/dig4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 13:32
S23	0	(239/dig4).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/01/09 13:33
S24	605	(222/402.24).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/01/09 13:33

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S25	1405	(215/250,253).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/01/09 13:33
S26	1306	(403/300,309,313).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/01/09 13:34
S27	3812	(128/200.11,200.12,200.14,200.23, 200.26,202.27,912).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/01/09 13:35
S28	0	S24 S25 S26 S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/01/09 13:35
S29	7120	S24 S25 S26 S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 13:35
S30	1931	S29 and ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 13:36
S31	398	S29 and ring and inhaler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 13:36
S32	69	S29 and ring and inhaler and collar	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 14:47

EAST Search History

S33	226477	(angu\$5 angl\$4 taper\$4) with (ring collar washer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 15:12
S34	302	S33 and inhaler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 14:49
S35	14432	(angu\$5 angl\$4 taper\$4) with (ring collar washer) and weak\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 15:12
S36	958575	(angu\$5 angl\$4 taper\$4) with (ring collar washer) saem weak\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 15:12
S37	2518	(angu\$5 angl\$4 taper\$4) with (ring collar washer) same weak\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 15:13
S38	0	(angu\$5 angl\$4 taper\$4) with (ring collar washer) same weak\$ and inhaler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 15:13
S39	10	(angu\$5 angl\$4 taper\$4) with (ring collar washer) same weak\$ and aerosol\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 15:15
S40	45	"0128887"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 15:38

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S41	1022	(128/200.23").CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/01/09 15:39
S42	114	S41 and collar	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 16:11
S43	647	(174/664,665;408/163,164, 166;220/649).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 16:12
S44	54	S43 and split	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 16:17
S45	207	"128"/\$.ccls. and collar and inhaler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 16:23
S46	13	"128"/\$.ccls. and split and collar and inhaler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/09 16:18
S47	229	glaxo\$.as. and (collar or ring\$5) and inhaler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 08:01
S48	13	glaxo\$.as. and (collar or ring\$5) and inhaler and "128"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 08:23

EAST Search History

S49	34	chrstrup.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 13:20
S50	4	glaxo\$.as. and (collar or split\$ring) and inhaler and "128"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 08:25
S51	0	glaxo\$.as. and (split\$ring) and inhaler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 08:26
S52	4	(split\$ring) and inhaler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 08:26
S53	4	("split-ring") and inhaler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 08:26
S54	7	"1638209"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 13:21
S55	11	"3853413"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 13:21

EAST Search History

S56	59	("1368525" "1432294" "1452492" "1473354" "1597525" "1784667" "2358606" "2410951" "2432870" "2450425" "2551384" "2585500" "2860540" "3141208" "3214204" "3516272" "3662642" "3853413" "3881334" "4176534" "4242775" "4274323" "4371301" "4405251" "4429557" "4474043" "4581910" "4792253" "4891961" "5106252" "5127764" "5172500" "5465596" "5768752" "5797168" "5813262" "5857800" "6098251" "6185793" "6186880" "6243922" "6243929" "6257792").PN. OR ("6845644"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/10 13:23
S57	56364	perforat\$4 same ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 16:20
S58	1050	perforat\$4 with ring.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 16:21
S59	3794	split with ring.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 16:22
S60	37	inhaler and split with ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 16:27
S61	280050	ring.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 16:27

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S62	74	ring.ti. and "128"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 16:31
S63	5501	rings same weakened	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 16:32
S64	2000	rings with weakened	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 16:32
S65	0	rings with weakened same inhaler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 16:32
S66	2	rings with weakened and inhaler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT.	OR	ON	2008/01/10 16:32
S67	9	rings with weakened and "128"/\$. ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 16:33
S68	58595	rings with manufactu\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/10 16:34
S69	157	rings with manufactu\$4 closed open	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/10 16:34

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S70	1307	403/300,309,313.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 08:15
S71	172	S70 and ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 08:16
S72	50	S70 and split and ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 08:21
S73	26981	collar same split	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 08:21
S74	85	collar same split and "128"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 08:25
S75	10082	inhaler and (ring or ((split adj (ring or collar)) or (collar with weakened)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 08:28
S76	6731	inhaler and (ring or ((split adj (ring or collar)) or (collar with weakened))) and manufactur\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 08:29
S77	0	inhaler and ((collar with weakened)) and manufactur\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 08:29

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S78	0	inhaler and ((collar with weakened))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 08:29
S79	291	manufacturing split ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 08:43
S80	0	manufacturing split ring \$tangl\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 08:41
S81	1	("1989750").URPN.	USPAT	OR	ON	2008/01/11 08:42
S82	2068	split near ring.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 08:44
S83	427	S82 and (making forming manufactur\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 08:45
S84	85	S82 and (making forming manufactur\$4).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 08:53
S85	2867594	entangled ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 08:54
S86	409	entangled ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 08:59

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S87	38	entangled ring and split	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 08:56
S88	2	entangled ring and (aerosol or inhaler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 08:59
S89	2	entangled ring and (aerosol or inhaler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 08:59
S90	11	entangled ring split	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 09:01
S91	7350	split with coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 09:07
S92	73	split with coupler and (aerosol or inhaler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 09:08
S93	0	(split with (coupler collar ring)) and (aerosol or inhaler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 09:09
S94	324	(split with (coupler collar ring)) and (aerosol or inhaler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 09:09

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S95	28	(split with (coupler collar ring)) and (aerosol or inhaler).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 09:12
S96	9363950	(making forming manufacturing)(split with (coupler collar ring))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 09:12
S97	0	(making forming manufacturing)(split with (coupler collar ring))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	SAME	ON	2008/01/11 09:13
S98	16467	(making forming manufacturing) same (split with (coupler collar ring))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 09:13
S99	1231	weak\$ same (split with (coupler collar ring))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 09:13
S10 0	98	weak\$ with (zone site area) same (split with (coupler collar ring))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 09:14
S10 1	25	("20030078108" "2368175" "2648578" "2888852" "3417650" "4224806" "4270815" "4317602" "4558962" "4693698" "4818166" "4995736" "5496142" "5525109" "5591085" "5816627" "5915875" "6168529" "6190260" "6390926" "6412985").PN. OR ("7008325").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/11 09:26
S10 2	22	("1324833" "1512020" "1799447" "1921488" "1970449" "2069569" "2198376" "3495496" "4270815").PN. OR ("4558962").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/11 09:33

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S10 3	25	("20030078108" "2368175" "2648578" "2888852" "3417650" "4224806" "4270815" "4317602" "4558962" "4693698" "4818166" "4995736" "5496142" "5525109" "5591085" "5816627" "5915875" "6168529" "6190260" "6390926" "6412985").PN. OR ("7008325").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/11 09:36
S10 4	7	"3446522"	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/11 09:36
S10 5	15	("1694354" "2960359" "3077811" "3446522").PN. OR ("3853413").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/11 09:40
S10 6	3	entagle\$ ring	US-PGPUB; USPAT; USOCR	WITH	ON	2008/01/11 09:40
S10 7	63	(mak\$4 manufactur\$4 form\$3) with (split near2 (ring coupler collar))and (inhaler or aerosol)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 09:54
S10 8	1042	(making manufacturing) with split with (coupler collar ring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 09:55
S10 9	81	(making manufacturing) with split with (coupler collar ring) and weak\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 10:03
S11 0	3864	contracting ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 10:03
S11 1	521	contract\$4 ring.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 10:03

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S11 2	117	contract\$4 ring and inhaler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 10:04
S11 3	164	contract\$4 ring and "128"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 10:09
S11 4	6263	contract\$4 ring and split	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 10:09
S11 5	2692	contract\$4 ring split	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 10:09
S11 6	2692	contract\$4 ring split	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 10:21
S11 7	185	contract\$4 ring split.ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 10:09
S11 8	3147807	ring collar split-ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 10:21
S11 9	3261	(ring collar) with (rupture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 10:22

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S12 0	278716	(ring collar) with (rupture) and weakened	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 10:22
S12 1	327	(ring collar) with (rupture) and weakened	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 10:28
S12 2	530	(ring collar) with (rupture).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 10:32
S12 3	81	(ring collar) with (rupture).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 10:23
S12 4	67	(ring collar) with (rupture) and (aerosol or inhaler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 10:28
S12 5	17	("3456644" "3598294" "3814297" "5027808" "5060643" "5217004" "5347998").PN. OR ("6415784").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/11 10:30
S12 6	135	manufacturing with (split near ring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 10:48
S12 7	803	ring with breakable	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 10:48

EAST Search History

S12 8	45	ring with breakable with point	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 10:54
S12 9	81	break\$4 (ring or collar or coupler or washer) expand\$ contract\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 10:55
S13 0	24226	cut\$4 with ring.ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 11:14
S13 1	5827	cut\$4 with ring.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 11:14
S13 2	17	cut\$4 with ring.ab. and "128"/\$. ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 11:15
S13 3	364	cut\$4 with ring and "128"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 11:18
S13 4	0	cut\$4 with ring and contract44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 11:18
S13 5	9264	cut\$4 with ring and contract\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/11 11:18

EAST Search History

S13 6	2000	weakened ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 11:19
S13 7	195	weakened ring and contract\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	WITH	ON	2008/01/11 11:19
S13 8	0	("2005/0079916").URPN.	USPAT	OR	ON	2008/01/11 11:39
S13 9	25	("20030078108" "2368175" "2648578" "2888852" "3417650" "4224806" "4270815" "4317602" "4558962" "4693698" "4818166" "4995736" "5496142" "5525109" "5591085" "5816627" "5915875" "6168529" "6190260" "6390926" "6412985").PN. OR ("7008325"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/11 11:39
S14 0	9	("2648578").URPN.	USPAT	OR	ON	2008/01/11 11:51
S14 1	5395	ring with (cut adj out or cutout)	USPAT	OR	ON	2008/01/11 11:51
S14 2	242	ring with (cut adj out or cutout).ab.	USPAT	OR	ON	2008/01/11 12:01
S14 3	64	ring with (cut adj out or cutout) same contract\$4	USPAT	OR	ON	2008/01/11 12:07
S14 4	7173	collar and cut adj out	USPAT	OR	ON	2008/01/11 13:12
S14 5	179	collar and (cut adj out or cutout) and (inhaler or aerosol)	USPAT	OR	ON	2008/01/11 13:12
S14 6	17	collar with (cut adj out or cutout) and (inhaler or aerosol)	USPAT	OR	ON	2008/01/11 13:16
S14 7	48	(ring or "split ring" or "split-ring") with (cut adj out or cutout) and (inhaler or aerosol)	USPAT	OR	ON	2008/01/11 13:16
S14 8	45	S147 not S146	USPAT	OR	ON	2008/01/11 13:23
S14 9	5	"1368525"	USPAT	OR	ON	2008/01/11 13:28
S15 0	5144	radial\$4 expand\$4 ring\$4	USPAT	WITH	ON	2008/01/11 13:28

EAST Search History

S15 1	641	radial\$4 expand\$4 ring\$4 contract\$4	USPAT	WITH	ON	2008/01/11 13:33
S15 2	64	radial\$4 expand\$4 ring\$4 contract\$4 open\$	USPAT	WITH	ON	2008/01/11 13:29
S15 3	64	radial\$4 expand\$4 ring\$4 contract\$4 open\$4	USPAT	WITH	ON	2008/01/11 13:33
S15 4	70	radial\$4 expand\$4 ring\$4 contract\$4.ab.	USPAT	WITH	ON	2008/01/11 13:38
S15 5	214	ring entang\$4	USPAT	WITH	ON	2008/01/11 13:39
S15 6	18	("1211349" "1694354" "2384668" "2860540" "2888852" "3122383" "3853413" "3894309").PN. OR ("4151779"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/11 14:09
S15 7	5100	circlips	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/11 14:09
S15 8	213756	circlips \$tangle\$	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/11 14:10
S15 9	88	circlips \$tangle\$	US-PGPUB; USPAT; USOCR	AND	ON	2008/01/11 14:12
S16 0	19	circlips \$2tangle\$2	US-PGPUB; USPAT; USOCR	AND	ON	2008/01/11 14:12